

SOME NOTES CONCERNING THE CURRICULUM VITAE

of

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Victor Manuel de Matos Lobo was born in Coimbra, Portugal, on 18 February 1940, is married to Maria Teresa A.S. Lobo, and has three children, Victor (b. 1965), Paulo (b. 1970), and Jorge (b. 1971).

He was the best student from his High School in Coimbra (Liceu D. João III) in 1956 and got an American Field Service scholarship to one year in the U.S.A. to attend Beaverton Union High School, Oregon, as a senior, graduating in 1957.

Graduated (Licenciatura) in Physics and Chemistry from the University of Coimbra in 1963 with Honours (the best student of his course). At the end of his first undergraduate year was invited as an “assistant demonstrator” and as such helped in laboratory classes up to his final year. Had a University scholarship and a research grant from “National Institute of High Culture”. While an undergraduate student did research in radiochemistry.

Invited to join the teaching staff of the University of Coimbra in 1963 was asked to go “on leave” with his Professor to the University of Mozambique for three years. Did research in flame photometry. Demonstrated in laboratory classes of General Chemistry, Qualitative and Quantitative Chemical Analysis, and Physical Chemistry. Collaborated in lectures of those subjects.

At the end of 1966 went to Cambridge to do research with Dr. J. Agar. Developed a new isothermal diffusion cell (Ph.D. Thesis: Diffusion and Thermal Diffusion in Solutions of Electrolytes), stayed for some post-doctoral work and returned to Mozambique for about one year, to return finally to this post, as a lecturer, in the University of Coimbra in 1972. “Associate” Professor of Electrochemistry in 1975 and Full Professor (Prof. Catedrático) in 1981.

He has been doing research in Electrochemistry (see enclosed list) and has been lecturing Electrochemistry and Corrosion, but has also been responsible for other courses such as

Chemical Thermodynamics
Physical Chemistry
Medical Chemistry
Chemical Analysis
Electrolyte Solutions
General Chemistry

Has also lectured topics for post-graduate students.

Has published notes (in Portuguese) to serve as text-books for his lectures: Medical Chemistry (really a General Chemistry for medical students) with some 900 pages, Chemical Analysis with some 500 pages, etc.

Has been asked to examine Ph.D. Thesis in Portugal and abroad and has examined candidates for Professorship (“provas de agregação”).

In 1977 published a Portuguese translation of a British book on Chemical Thermodynamics.

In 1975 published Vol. I of a work entitled “Electrolyte Solutions: Literature Data on Thermodynamic and Transport Properties” with 450 pages, in 1984 Vol. II of the same work with 1096 pages. In 1989 published, with R. Mills, a book entitled “Self-diffusion in Electrolyte Solutions. A critical examination of data compiled from the literature” (Elsevier, Amsterdam). In 1990 published a work in two volumes, totalling 2366 pages for Elsevier, Amsterdam, entitled “Handbook of Electrolyte Solutions”.

In 1983 was elected Associate Member of the Electrochemistry Commission of IUPAC and in 1985 was promoted to Titular Member. In 1989 was re-elected as Titular Member.

In 1984 was invited to organize a databank for the Scientific Engineering Research Council, SERC, U.K., with data on density, viscosity, equivalent conductance, transport number, diffusion coefficients and activity coefficients of solutions. He has been working on that. This databank, called ELLYS, has been released in 1989, but updating and improving the system will go on for many years.

In 1977 stayed for two months at Gottingen, Germany, and from his work resulted a publication entitled “Ionic Conductivity of RbAg_4I_5 in the Microwave Range”.

From October 1980 to August 1981 did research at the Australian National University at the invitation of Prof. R. Mills. This resulted in a publication by Lobo and Mills entitled “Tracer Diffusion of Cadmium and Mercury in Mercury Over the Temperature Range 283-333 K”. Two papers on the corrosion in lead-acid batteries were written after a short visit to the CSIRO at Melbourne. Because of his research interests has been abroad in many countries, and given many invited lectures. From September 1988 to September 1989 was a Visiting Professor at the University of East Anglia, Norwich, England.

Received the Gold Medal at the “15th International Exhibition of Inventions and New Techniques”, Geneva, Switzerland, 3-12 April 1987, for the cell developed for measurements of diffusion coefficients.

He has been the Head of the Department of Chemistry of the University of Coimbra for many years. He has been a member of the Portuguese National Council for Education, representing the Portuguese Scientific Societies. He is a member of the Council responsible for accepting scientific journals in SciELO. He has published some 60 articles in the Portuguese daily press on matters concerning education.

He is the Editor of *Portugaliae Electrochimica Acta* since September 2002.

He is a member of chemical societies in Portugal, England and Germany. He is or has been: President of the Portuguese Electrochemical Society, President of the General Assembly of the Portuguese Chemical Society, President of the General Assembly of the Portuguese Electrochemical Society, President of the General Assembly of Intercultura, Vice-President of the General Assembly of the Portuguese Electrochemical Society, Member of Editorial Commission of several scientific journals, (e.g. Journal of Chemical and Biochemical Kinetics, New York, USA), President of a Committee for corrosion in the Portuguese Ministry of Industry. Since 1991 he has always been the Head of the Portuguese delegation in international meetings of ISO (International Organization for Standardization) and CEN (European Standards) where international standards on corrosion protection are discussed and voted. He has been chairman of one working group (WG) in ISO/TC 107 and another

in ISO/TC 156. He has biographies in biographic books from American, British and Austrian origin; has been elected to academic positions, to counsellor of the Municipality of Coimbra, and others.

In the scientific field has or has had collaboration with Prof. Barthel at the Department of Chemistry, University of Regensburg, Germany, Prof. Pierre Turq in Paris, Prof. Vitagliano in Naples, Dr. Reginald Mills and Dr. Lawrence Wolf in Canberra, Australia, Prof. Guennadi Zaikov in Moscow, Prof. Camino in Torino, Prof. Georges Geuskens in Brussels, Dr. Polishchuk's group of the Institute of Biochemical Physics – Russian Academy of Sciences, Prof. D. Leaist in Canada, etc. A list of books, chapters in books, scientific papers, invited lectures, communications in meetings, etc., is enclosed at www.uc.pt/pessoal/vlobo.

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